

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A connection member for a fluid line containing a fluid duct, in whose wall at least one stranded signal conductor provided for the transmission of electrical signals extends, comprising a female socket, having an insertion opening, for the insertion of the fluid line, a holding device for holding the inserted fluid line and at least one signal contact arranged in the female socket and extending toward the insertion opening, said signal contact having a male part adapted to stick into a signal conductor on insertion of the fluid line with the production of an electrical connection, wherein the male part of the at least one signal contact is constituted by a knife edge, whose width is equal to at least the diameter of the signal conductor to be contacted and which on penetration from the end is adapted to split the signal conductor into an externally placed and an internally placed line limb.

2. (Previously Presented) The connection member as set forth in claim 1, wherein the knife edge is straight as seen in an end-on view.

3. (Previously Presented) The connection member as set forth in claim 1, wherein the knife edge as seen in an end-on view is circularly arcuate, the center of curvature coinciding with the longitudinal axis of the female socket.

4. (Previously Presented) The connection member as set forth in claim 1, wherein the knife edge has a cutting flank on an outer side thereof, the cutting flank extending obliquely inward in relation to the cutting edge.

5. (Previously Presented) The connection member as set forth in claim 1, wherein the knife edge, as seen looking radially, has a straight form at a right angle to the longitudinal axis of the female socket.

6. (Previously Presented) The connection member as set forth in claim 1, wherein the knife edge, as seen looking radially, has a concavely curved bayed configuration.

7. (Currently Amended) The connection member as set forth in claim 1, wherein the at least one signal contact has two opposed guide wings ~~on opposite sides~~ projecting toward the insertion opening past the knife edge such wings defining a guide gap, widening toward the insertion opening, for receiving a rib-like wall section of the fluid line.

8. (Previously Presented) The connection member as set forth in claim 1, wherein the at least one signal contact has at least one support wing arranged adjacent to the knife edge, such wing in the inserted state of the fluid line being fitted under the radially inner line limb and pressing same against the signal contact.

9. (Previously Presented) The connection member as set forth in claim 8, wherein the at least one signal contact has two support wings arranged alongside each other in the longitudinal direction, which define a guide channel provided to receive a rib-like wall section of the fluid line.

10. (Previously Presented) The connection member as set forth in claim 1, wherein the width of the knife edge is larger than the diameter of the signal conductor to be contacted so that the edge sticks into the fluid line's wall section surrounding the signal conductor as well on insertion.

11. (Previously Presented) The connection member as set forth in claim 1 wherein the connection member is designed for connection of a fluid line whose at least one electrical signal conductor extends so that at least one part of its cross section is in a radially inwardly projecting rib-like section of the wall.

12. (Previously Presented) The connection member as set forth in claim 11, wherein the knife edge is so arranged and designed that, on plugging in the fluid line, it sticks into its rib-like wall section and severs same at least partially along a part of its length from the remaining wall section.

13. (Previously Presented) The connection member as set forth in claim 1, further comprising at least two signal contacts spaced apart in the peripheral direction, which are diametrically opposite one another.

14. (Currently Amended) The connection member as set forth in claim 1, wherein the at least one signal contact is able to slide in the direction of the longitudinal axis of the female socket and includes ~~cooperates with~~ spring means, which may thrust it toward the insertion opening.

15. (Previously Presented) The connection member as set forth in claim 1, wherein the at least one signal contact is fixed on a contact carrier and together with same constitutes an insert inserted into the housing of the connection member.

16. (Previously Presented) The connection member as set forth in claim 1, wherein the fluid duct is hose-like in configuration.

17. (Currently Amended) The connection member as set forth in claim 1, wherein said signal contact further includes ~~comprising~~ guide means for aiding insertion of the fluid line at a predetermined angular position.

Application Serial No.: 10/519,854
Amdt. dated January 27, 2006
Reply to Office Action of November 7, 2005

18. (New) A connection member for a fluid line having a signal conductor disposed in a wall thereof, the connection member comprising:

a female socket having an insertion opening for receiving the fluid line;

a holding device disposed in said female socket for holding the fluid line in said female socket; and

a signal contact disposed in said female socket for making electrical connection with the signal conductor disposed in the wall of the fluid line, said signal contact including a knife edge having a cutting length equal to at least the diameter of the signal conductor and being adapted to split an end of the signal conductor into two separate portions upon penetration of the knife edge into the signal conductor end.